



Mobil 1™ Ultimate 0W-40

Mobil Passenger Vehicle Lube , 中国

Advanced Full Synthetic Engine Oil

Product Description

Mobil 1™ Ultimate 0W-40 is an advanced full synthetic engine oil specifically designed to provide outstanding performance for high powered engines. With the new Nano-technology, Mobil 1™ Ultimate 0W-40 provides Nano-Intelligent wear protection* (+45% versus industrial standard**) and Nano-Intelligent cleanliness*** (+30% versus industrial standard****), which benefits the power retention of the engine. Mobil 1™ Ultimate 0W-40 meets the requirements of some key European Original Equipment Manufacturers (OEMs) and keeps your engine running like new*****.

*based on the test result from high frequency reciprocating rig (HFRR) and mini traction machine- space layer imaging method (MTM-SLIM)

** based on the test result from Seq. IVB comparing with API SP engine test standards

*** Based on the dispersion mechanism of soot particles agglomeration by dispersants, quoted from "J. Shi, Carbonaceous soot dispersion characteristic and mechanism in lubricant with effect of dispersants by molecular dynamics simulation and experimental studies, Carbon 200 (2022) 253-263"

**** based on the test result from M271EVO/DV6C/Seq. VH comparing with API SP engine test standards

***** based on the MADS test result in China in 2019

Features and Benefits

With the new Nano-technology, Mobil 1™ Ultimate 0W-40 provides Nano-Intelligent wear protection* and Nano-Intelligent cleanliness***, which benefits the power retention of the engine.

*based on the test result from high frequency reciprocating rig (HFRR) and mini traction machine- space layer imaging method (MTM-SLIM)

*** Based on the dispersion mechanism of soot particles agglomeration by dispersants, quoted from "J. Shi, Carbonaceous soot dispersion characteristic and mechanism in lubricant with effect of dispersants by molecular dynamics simulation and experimental studies, Carbon 200 (2022) 253-263"

Features	Advantages and Potential Benefits
Nano-Intelligent anti-wear	exceeds industrial standard at 45%** ** based on the test result from Seq. IVB comparing with API SP engine test standards
Nano-Intelligent cleanliness	exceeds industrial standard at 30%**** **** based on the test result from M271EVO/DV6C/Seq. VH comparing with API SP engine test standards
Keep your engine running like new	Helps to keep the engine running like new after 200,000 KM test. ***** based on the MADS test result in China in 2019
Longer ODI	Extend the ODI up to 25,000 KM. ***** *****based on the MADS test result in China in 2023, Always consult the owner's manual of the vehicle for the manufacturer's recommended ODI.

Applications

Mobil 1™ Ultimate 0W-40 is recommended for high-performance engines requiring GPFs (gasoline particulate filters).

Always consult the owner's manual of the vehicle for the manufacturer's recommended viscosity grade and specifications.

Specifications and Approvals

This product is recommended for use in applications requiring:
API CF
Recommended by ExxonMobil for applications requiring ACEA C2
MB-Approval 229.51
MB-Approval 229.52

This product meets or exceeds the requirements of:
API SP
ACEA C3

Properties and Specifications

Property	
Grade	SAE 0W-40
Ash, Sulfated, mass%, ASTM D874	0.8
Flash Point, Cleveland Open Cup, °C, ASTM D92	230
Density @ 15.6 C, g/ml, ASTM D4052	0.846
Total Base Number, mgKOH/g, ASTM D2896	9.1
Pour Point, °C, ASTM D97	-54
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	21100
Viscosity Index, ASTM D2270	201
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	72
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	13.9
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10 ⁽⁶⁾ sec ⁽⁻¹⁾ , mPa.s, ASTM D4683	3.8

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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ExxonMobil (China) Investment Co. Ltd
17th Floor, Metro Tower
30 Tian Yao Qiao Road

Shanghai 2000030
China

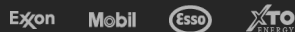
+86 21 24076000

<http://www.exxonmobil.com>

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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